

(57) Abstract

Liquid separator for a gas analyzer and method for separating a liquid component from gas. The liquid separator comprises an input passage having an input end and an output end, an output passage having an input end and an output end, a wall formed of a gas permeable and liquid impermeable material separating the input passage and the output passage, means for introducing a gas sample containing liquid through the input end into the input passage with a first portion of the gas passing through said wall to the output passage and a second portion of the gas and the liquid remaining in the input passage, a vacuum means for flowing the first portion of the gas through the output end from the output passage to a measuring unit, a first conduit connecting the output end of the input passage and for conducting the second portion of the gas and the liquid further on with vacuum means. The output passage is arranged to widen towards the output end of the output passage and/or the input passage is arranged to narrow towards the output end of the input passage.

(fig. 6)